


**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

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**DATA MATRIX**


Date April 29, 2014			EPA Reg. No./File Symbol 83520-29		Page 1 of 4
Applicant's/Registrant's Name & Address  Tacoma Ag, LLC P.O Box 14073 Durham, NC 27713			Product  Asulam 36.2 SL Herbicide		
Ingredient Asulam Sodium Salt (CAS No. 2302-17-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	49105001	Tacoma Ag, LLC	OWN	
830.1600	Description of Materials Used to Produce the Product	49105001	Tacoma Ag, LLC	OWN	
830.1620	Description of Production Process	49105001	Tacoma Ag, LLC	OWN	
830.1650	Description of Formulation Process	49105001	Tacoma Ag, LLC	OWN	
830.1670	Discussion of Formation of Impurities	49105001	Tacoma Ag, LLC	OWN	
830.1700	Preliminary Analysis	49105002	Tacoma Ag, LLC	OWN	
830.1750	Certified Limits	49105001	Tacoma Ag, LLC	OWN	
830.1800	Enforcement Analytical Method	49105001 49105003	Tacoma Ag, LLC Tacoma Ag, LLC	OWN OWN	
830.6302	Color	49105003 49105004	Tacoma Ag, LLC Tacoma Ag, LLC	OWN OWN	See endnote <sup>1</sup>
830.6303	Physical State	49105003 49105004 49323301	Tacoma Ag, LLC Tacoma Ag, LLC Tacoma Ag, LLC	OWN OWN OWN	
830.6304	Odor	49105003 49105004	Tacoma Ag, LLC Tacoma Ag, LLC	OWN OWN	
Signature 			Name and Title Michael Kellogg, Consultant		Date 4/29/14

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Ingredient Asulam Sodium Salt (CAS No. 2302-17-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	See endnote <sup>1</sup>
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Signature 		



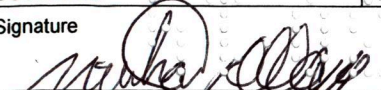
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Ingredient Asulam Sodium Salt (CAS No. 2302-17-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	49105003	Tacoma Ag, LLC	OWN	See endnote <sup>2</sup>
830.6314	Oxidation/Reduction: Chemical Incompatibility	49105003 49105004	Tacoma Ag, LLC Tacoma Ag, LLC	OWN OWN	
830.6315	Flammability	49105004	Tacoma Ag, LLC	OWN	See endnote <sup>3</sup>
830.6316	Explosibility	49105004	Tacoma Ag, LLC	OWN	See endnote <sup>4</sup>
830.6317	Storage Stability	49105004	Tacoma Ag, LLC	OWN	PRN 92-5 <sup>5</sup>
830.6319	Miscibility	49105004	Tacoma Ag, LLC	OWN	See endnote <sup>6</sup>
830.6320	Corrosion Characteristics	49105004	Tacoma Ag, LLC	OWN	See endnote <sup>5</sup>
830.6321	Dielectric Breakdown Voltage	49105004	Tacoma Ag, LLC	OWN	Not required <sup>7</sup>
830.7000	pH	49105003 49105004	Tacoma Ag, LLC Tacoma Ag, LLC	OWN OWN	
830.7050	UV/Visible Absorption	49105003	Tacoma Ag, LLC	OWN	See endnote <sup>8</sup>
830.7100	Viscosity	49105004	Tacoma Ag, LLC	OWN	
830.7200	Melting Point/Melting Range	49105003	Tacoma Ag, LLC	OWN	
830.7220	Boiling Point/Boiling Range				See endnote <sup>9</sup>
Signature 			Name and Title Michael Kellogg, Consultant		Date 4/29/14

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Applicant's/Registrant's Name &amp; Address

Tacoma Ag, LLC  
P.O Box 14073  
Durham, NC 27713

Product

Asulam 36.2 SL Herbicide

Ingredient Asulam Sodium Salt (CAS No. 2302-17-2)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Tacoma Ag, LLC	OWN	See endnote <sup>2</sup>
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	See endnote <sup>3</sup>
			Tacoma Ag, LLC	OWN	See endnote <sup>4</sup>
			Tacoma Ag, LLC	OWN	PRN 92-5 <sup>5</sup>
			Tacoma Ag, LLC	OWN	See endnote <sup>6</sup>
			Tacoma Ag, LLC	OWN	See endnote <sup>5</sup>
			Tacoma Ag, LLC	OWN	Not required <sup>7</sup>
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	See endnote <sup>8</sup>
			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	
					See endnote <sup>9</sup>
Signature			Name and Title		Date
			Michael Kellogg, Consultant		4/29/14



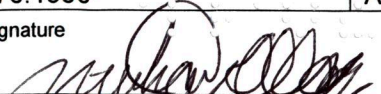
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Ingredient Asulam Sodium Salt (CAS No. 2302-17-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7300	Density/Relative Density/Bulk Density	49105003 49105004	Tacoma Ag, LLC Tacoma Ag, LLC	OWN OWN	
830.7370	Dissociation Constants in Water	49105003	Tacoma Ag, LLC	OWN	See endnote <sup>10</sup>
830.7520	Particle size, fiber length, diameter distribution	49105004	Tacoma Ag, LLC	OWN	Waiver <sup>11</sup>
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method	49105003	Tacoma Ag, LLC	OWN	See endnote <sup>12</sup>
830.7560	Partition Coefficient (n-octanol/water), Generator Column Method				See 830.7550
830.7570	Partition Coefficient (n-octanol/water), Estimation by Liquid Chromatography				See 830.7550
830.7840	Water Solubility: Column Elution Method; Shake Flask Method	49105003	Tacoma Ag, LLC	OWN	See endnote <sup>13</sup>
830.7860	Water Solubility, Generator Column Method				See 830.7840
830.7950	Vapor Pressure	49105004	Tacoma Ag, LLC	PL	Not required <sup>9</sup>
870.1100	Acute Oral Toxicity: Rat	40960501	Bayer CropScience LP	OLD	
870.1200	Acute Dermal Toxicity: Rat	40960501	Bayer CropScience LP	OLD	
870.1300	Acute Inhalation Toxicity: Rat	40960502	Bayer CropScience LP	OLD	
Signature 			Name and Title Michael Kellogg, Consultant		Date 4/29/14

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			Tacoma Ag, LLC	OWN	
			Tacoma Ag, LLC	OWN	See endnote <sup>10</sup>
			Tacoma Ag, LLC	OWN	Waiver <sup>11</sup>
			Tacoma Ag, LLC	OWN	See endnote <sup>12</sup>
					See 830.7550
					See 830.7550
			Tacoma Ag, LLC	OWN	See endnote <sup>13</sup>
					See 830.7840
			Tacoma Ag, LLC	PL	Not required <sup>9</sup>
			Bayer CropScience LP	OLD	
			Bayer CropScience LP	OLD	
Bayer CropScience LP	OLD				
Signature 			Name and Title Michael Kellogg, Consultant		Date 4/29/14




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Ingredient Asulam Sodium Salt (CAS No. 2302-17-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2400	Primary Eye Irritation: Rabbit	00098534	Rhone-Poulenc Agrochemical Division	OLD	
870.2500	Primary Dermal Irritation	00098535	Rhone-Poulenc Agrochemical Division	OLD	
870.2600	Dermal Sensitization	00098535	Rhone-Poulenc Agrochemical Division	OLD	
<b>Asulam Sodium Salt Generic Data Requirements</b>					
Asulam 36.2 SL Herbicide qualifies for Formulator's Exemption for this amendment action.					
Signature 			Name and Title Michael Kellogg, Consultant		Date 4/29/14

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Ingredient Asulam Sodium Salt (CAS No. 2302-17-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Rhone-Poulenc Agrochemical Division	OLD	
			Rhone-Poulenc Agrochemical Division	OLD	
			Rhone-Poulenc Agrochemical Division	OLD	
<b>Asulam Sodium Salt Generic Data Requirements</b>					
Asulam 36.2 SL Herbicide qualifies for Formulator's Exemption for this amendment action.					
Signature 			Name and Title Michael Kellogg, Consultant		Date 4/29/14



## Endnotes for Data Matrix for Asulam 36.2 SL Herbicide

- 
- <sup>1</sup> A complete set of phys-chem property studies were conducted for the technical grade of the active ingredient, Asulam TGAi (MRID 49105003) as well as relevant studies with the end use product Asulam 36.2 SL Herbicide.
- <sup>2</sup> **830.6313 – Stability to Normal and Elevated Temperatures, Metals and Metal Ions** - These data are not required for an end use product. However, data for the TGAi are found in MRID 49105003.
- <sup>3</sup> **830.6315 – Flammability:** Tacoma Ag, LLC requests a waiver from the requirement of this study for the TGAi since the technical grade material is a solid and does not contain components that are expected to be flammable.
- <sup>4</sup> **830.6316 – Explodability:** Tacoma Ag, LLC requests a waiver from the requirement of this study for the TGAi. Sodium asulam does not have the chemical bonds or functional groups associated with explosive chemicals.
- <sup>5</sup> **830.6317, 830.6320 – Storage Stability and Corrosion Characteristics:** Per PR Notice 92-5, storage stability and corrosion characteristics data are not required to be submitted unless specifically requested by the Agency. Tacoma Ag, LLC will submit the results if required.
- <sup>6</sup> **830.6319 – Miscibility:** This data requirement is required when the product is an emulsifiable liquid and to be diluted with petroleum solvents. This data requirement is not applicable to the TGAi.
- <sup>7</sup> **830.6321 – Dielectric Breakdown Voltage:** These data are required if the product is an end-use product to be used around electrical equipment. The label for Asulam 36.2 SL Herbicide does not specify use around electrical equipment; therefore this data requirement is not applicable.
- <sup>8</sup> **830.7050 – UV/Visible Absorption:** This data requirement is applicable to the TGAi and not to Asulam 36.2 SL Herbicide.
- <sup>9</sup> **830.7220 – Boiling Point:** Boiling point data are required for the TGAi but since Asulam TGAi is a solid, melting point data are reported. See Guideline 830.7200.
- <sup>10</sup> **830.7370 – Dissociation Constants in Water:** This data requirement is only applicable to the TGAi and not to Asulam 36.2 SL Herbicide.
- <sup>11</sup> **830.7520 – Particle size, fiber length, diameter distribution:** Tacoma Ag, LLC is seeking a waiver for this data requirement for Asulam TGAi and for Asulam 36.2 SL Herbicide because these products are not water insoluble and are not fibrous materials.
- <sup>12</sup> **830.7550-7570 – Partition Coefficient:** This data requirement is applicable to the TGAi and not to Asulam 36.2 SL Herbicide.
- <sup>13</sup> **830.7840-7860 – Water Solubility:** This data requirement is applicable to the TGAi and not to Asulam 36.2 SL Herbicide.